

**From:** [Prestbo, Kim](#)  
**To:** [CASE, JARROD D GS-13 USAF AFMC AFCEC/CZOM](#)  
**Subject:** RE: Update on Fairchild AFB PFOS/PFOA Sampling and Response  
**Date:** Wednesday, June 07, 2017 10:49:00 AM  
**Attachments:** [PFOS PFOA Off Base Sampling Areas Phases 1 and 2.pdf](#)

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Jarrold,  
Response to Senator Murray's office -

Fairchild Air Force Base (AFB) is a Superfund site, where EPA has been working with the Air Force to investigate and clean up releases of hazardous waste. This spring, the Air Force began sampling groundwater on the base for PFOS/PFOA, as part of a nation-wide investigation of this emerging contaminant. Concentrations above the EPA's Lifetime Health Advisory (HA) of 70 parts per trillion (ppt) were found in groundwater monitoring wells on the base. Sampling was then extended to wells east of the base, where exceedances were found in private wells and in City of Airway Heights municipal production wells. The City and the Air Force promptly began providing bottled water to the affected community. The attached figure was provided by Fairchild AFB and shows the location of Phase I and Phase 2 off-base sampling. A third phase of sampling is planned to include on-base groundwater monitoring wells along the northern and eastern perimeter of the AFB and additional residential and municipal wells in the vicinity of Airway Heights. **Specific inquiries regarding the Air Force investigation can be addressed to #####**

The City of Airway Heights continues to flush their distribution system associated with the impacted municipal wells but as of Friday, June 2, four of 20 samples still exceeded the health advisory. Results from a third round of distribution system sampling are expected this week. The community remains on bottled water. Specific inquiries regarding the Airway Heights public water system can be addressed to Kevin Anderson at 509-244-5429. In addition, updates can be found on the Airway Heights website:

<http://www.cawh.org/departments/public-works/water-reports/water-quality-2017>

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**From:** Schuster, Cindy  
**Sent:** Wednesday, June 07, 2017 10:04 AM  
**To:** Prestbo, Kim <[Prestbo.Kim@epa.gov](mailto:Prestbo.Kim@epa.gov)>  
**Cc:** Schuster, Cindy <[Schuster.Cindy@epa.gov](mailto:Schuster.Cindy@epa.gov)>  
**Subject:** RE: Update on Fairchild AFB PFOS/PFOA Sampling and Response

Kim, I didn't intend to take a lot of your time. A simple update with no map is fine! Senator Murray's office very likely has contacts at DOD.--Cindy

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**From:** Prestbo, Kim  
**Sent:** Wednesday, June 07, 2017 8:22 AM  
**To:** Schuster, Cindy <[Schuster.Cindy@epa.gov](mailto:Schuster.Cindy@epa.gov)>  
**Subject:** RE: Update on Fairchild AFB PFOS/PFOA Sampling and Response

Cindy,

I don't think we should be so specific with our response. I will send you something more general that you can share. We should not show the location of the three exceedances. I'm also obtaining the congressional POC from Fairchild to provide so they can contact the Base directly, because Fairchild is the lead on this effort.

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**From:** Schuster, Cindy  
**Sent:** Wednesday, June 07, 2017 6:39 AM  
**To:** Prestbo, Kim <[Prestbo.Kim@epa.gov](mailto:Prestbo.Kim@epa.gov)>  
**Cc:** Schuster, Cindy <[Schuster.Cindy@epa.gov](mailto:Schuster.Cindy@epa.gov)>  
**Subject:** RE: Update on Fairchild AFB PFOS/PFOA Sampling and Response

Thank you, Kim. Here's a possible text revision for you to check:

*Attached is a figure from Fairchild AFB. It shows that preliminary sampling results from 3 residential wells have total PFOS/PFOA concentrations above EPA's health advisory level of 70 parts per trillion (ppt), in addition to Airway Heights municipal wells P-1/4 and #9, with concentrations of 1400 ppt and 1520 ppt, respectively. A third phase of sampling is planned to include groundwater monitoring wells along the northern and eastern perimeter of the AFB and additional residential and municipal wells.*

*The City of Airway Heights continues to flush their distribution system associated with the impacted municipal wells, but on Friday, June 2, four of 20 samples still exceeded the health advisory, with concentrations ranging from 85 – 141 ppt. The community remains on bottled water.*

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**From:** Prestbo, Kim  
**Sent:** Tuesday, June 06, 2017 4:40 PM  
**To:** Schuster, Cindy <[Schuster.Cindy@epa.gov](mailto:Schuster.Cindy@epa.gov)>  
**Subject:** RE: Update on Fairchild AFB PFOS/PFOA Sampling and Response

Cindy,

I'll send Figure 1 separately without the edits – provided by Fairchild AFB. I don't think we should

send Figure 2. I need to confirm what specifics can be shared (outside of EPA) regarding the location of Phase 3 sampling. I'll get back to you on this by tomorrow am.

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**From:** Schuster, Cindy  
**Sent:** Tuesday, June 06, 2017 3:58 PM  
**To:** Prestbo, Kim <[Prestbo.Kim@epa.gov](mailto:Prestbo.Kim@epa.gov)>  
**Cc:** Bottcher, Helen <[Bottcher.Helen@epa.gov](mailto:Bottcher.Helen@epa.gov)>; Jennings, Marie <[Jennings.Marie@epa.gov](mailto:Jennings.Marie@epa.gov)>; Schuster, Cindy <[Schuster.Cindy@epa.gov](mailto:Schuster.Cindy@epa.gov)>  
**Subject:** FW: Update on Fairchild AFB PFOS/PFOA Sampling and Response

Thank you, Kim. Is my summary below accurate, including whether the figures are from the AFB? If so, could you send me the figures apart from your update, so that I could send this briefer version to the congressional office?—Cindy, x. 1815

*Attached are two figures from Fairchild AFB. Figure 1 shows that preliminary sampling results from 3 residential wells have total PFOS/PFOA concentrations above EPA's health advisory level of 70 parts per trillion (ppt), in addition to Airway Heights municipal wells P-1/4 and #9, with concentrations of 1400 ppt and 1520 ppt, respectively. Figure 2 shows the planned Phase 3 sampling area, which includes groundwater monitoring wells along the northern and eastern perimeter of the AFB and residential wells and municipal wells within the area outlined in blue.*

*The City of Airway Heights continues to flush their distribution system associated with the impacted municipal wells, but on Friday, June 2, four of 20 samples still exceeded the health advisory, with concentrations ranging from 85 – 141 ppt. The community remains on bottled water.*

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**From:** Prestbo, Kim  
**Sent:** Tuesday, June 06, 2017 3:05 PM  
**To:** Schuster, Cindy <[Schuster.Cindy@epa.gov](mailto:Schuster.Cindy@epa.gov)>; Jennings, Marie <[Jennings.Marie@epa.gov](mailto:Jennings.Marie@epa.gov)>  
**Cc:** Bottcher, Helen <[Bottcher.Helen@epa.gov](mailto:Bottcher.Helen@epa.gov)>  
**Subject:** FW: Update on Fairchild AFB PFOS/PFOA Sampling and Response

Cindy,

I provided this update this morning. My apologies for not including you and Marie on the email. I don't have much more information at this time.

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**From:** Prestbo, Kim

**Sent:** Tuesday, June 06, 2017 11:18 AM

**To:** Cooke, Maryt <[Cooke.Maryt@epa.gov](mailto:Cooke.Maryt@epa.gov)>; Bilbrey, Sheryl <[bilbrey.sheryl@epa.gov](mailto:bilbrey.sheryl@epa.gov)>; Bottcher, Helen <[Bottcher.Helen@epa.gov](mailto:Bottcher.Helen@epa.gov)>; Fleming, Sheila <[fleming.sheila@epa.gov](mailto:fleming.sheila@epa.gov)>; Faulk, Dennis <[Faulk.Dennis@epa.gov](mailto:Faulk.Dennis@epa.gov)>; Psyk, Christine <[Psyk.Christine@epa.gov](mailto:Psyk.Christine@epa.gov)>; Szerlog, Michael <[Szerlog.Michael@epa.gov](mailto:Szerlog.Michael@epa.gov)>

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**Subject:** Update on Fairchild AFB PFOS/PFOA Sampling and Response

Good Morning,

I was able to catch up with my POC (Jarrod Case) at Fairchild yesterday afternoon. Current status is provided in the attached pdf with figures, but also summarized below. Please forward to others that may be interested in this update.

## **June 6, 2017**

### **Fairchild Air Force Base PFOS/PFOA Update**

Preliminary results from Phase 2 sampling (located on Figure 1) indicate that 3 residential wells have total PFOS/PFOA concentrations above the health advisory (HA - 70 ppt) - in addition to the Airway Heights municipal wells PS1/4 and #9 with concentrations of 1400 ppt and 1520 ppt, respectively. The Phase 2 residential exceedances were located to the south of the Phase 1 Sampling Area along Craig Road (see Figure 1). Fairchild is not providing details regarding specific location or concentration within these residential wells. Two Fairchild groundwater monitoring wells (MW-117 and MW-127) in the northeast portion of the Phase 2 area (closest to the municipal wells) were non detect and below the HA.

A technical team at AFCEC is planning the Phase 3 sampling program which will include the following:

- 1) Immediate sampling of on base groundwater monitoring wells along the northern and eastern perimeter of the Base.
- 2) Identification and sampling of all residential wells and municipal Group B wells within the area outlined in blue on Figure 2. Once identified, property owners will be contacted for access to sample.

EPA has not been invited to join the Phase 3 scoping team but general information is being provided upon request. It is not clear whether Fairchild plans to sample upgradient groundwater monitoring wells associated with Craig Road Landfill, which is a non-contiguous Fairchild AFB Operable Unit being remediated for TCE. We are providing a list of recommended wells on-site and off-site downgradient of Craig Road Landfill to better understand potential sources of PFOS/PFOA.

The City of Airway Heights continues to flush their distribution system associated with the impacted municipal wells, but as of Friday June 2 after a 3<sup>rd</sup> round of testing there were still samples exceeding the HA. A total of 20 samples were collected from various locations throughout the city

and 4 samples had concentrations ranging from 85 – 141 ppt. The remaining samples showed 'non-detect'. One sample located in the industrial area has been isolated with a concentration of 1245 ppt. The community remains on bottled water.

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